

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2183	((60/39.12) or (60/39.463) or (60/39.464) or (60/39.465) or (60/39.461) or (60/777) or (60/723)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/06 08:48
L2	7116	(acid\$4 near5 gas\$5 near5 remov\$5) or agr	USPAT	OR	OFF	2007/02/06 08:51
L3	412	(filter\$5 or filtr\$5) same 2	USPAT	OR	OFF	2007/02/06 08:54
L4	0	3 and 1	USPAT	OR	OFF	2007/02/06 08:51
L5	10	3 same (methane\$5 or natural near3 gas\$2)	USPAT	OR	OFF	2007/02/06 08:52
L6	69	(filter\$5 or filtr\$5) same scrubber\$2 same (methane\$5 or natural near3 gas\$2)	USPAT	OR	OFF	2007/02/06 09:40
L7	68	6 not 5	USPAT	OR	OFF	2007/02/06 08:58
L8	2	6 and 1	USPAT	OR	OFF	2007/02/06 08:58
L9	7	7 and (gas or combust\$7) near3 turbine\$2	USPAT	OR	OFF	2007/02/06 09:41
L10	19	(filter\$5 or filtr\$5) same scrubber\$2 and 1	USPAT	OR	OFF	2007/02/06 09:00
L11	17	10 not 9	USPAT	OR	OFF	2007/02/06 09:07
L12	9	kim.xp. and miyoshi.in.	USPAT	OR	OFF	2007/02/06 09:07
L13	18	("4425757"   "4546603"   "4638629"   "4676177"   "4697413"   "4747356"   "4771712"   "4882903"   "5290327"   "5345884"   "5425229"   "5440873"   "5509264"   "5513599"   "5540896"   "5601788"   "5620488"   "5651321").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/06 09:28
L14	21	"5059405"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/06 09:28
L15	69	(filter\$5 or filtr\$5) same scrubber\$2 same (methane\$5 or natural near3 gas\$2)	USPAT	OR	OFF	2007/02/06 09:41
L16	7	6 and (gas or combust\$7) near3 turbine\$2	USPAT	OR	OFF	2007/02/06 09:41
L17	2	(filter\$5 or filtr\$5) same scrubber\$2 same (landfill\$4 near3 gas\$2)	USPAT	OR	OFF	2007/02/06 09:42
L18	0	hydrogen adj0 sulphide and sulphur adj0 dioxide same scrubber\$2 and (gas or combust\$7) near3 turbine\$2	USPAT	OR	OFF	2007/02/06 09:49

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L19	0	(hydrogen adj0 sulphide) same sulphur adj0 dioxide same scrubber\$2 and ((gas or combust\$7) near3 turbine\$2)	USPAT	OR	OFF	2007/02/06 09:44
L20	1	(hydrogen adj0 sulphide) same sulphur adj0 dioxide same scrubber\$2 and ((gas or combust\$7) near3 turbine\$2)	US-PGPUB; USOCR	OR	OFF	2007/02/06 09:44
L21	0	(h2s) same SO2 same scrubber\$2 and ((gas or combust\$7) near3 turbine\$2)	US-PGPUB; USOCR	OR	OFF	2007/02/06 09:48
L22	0	(h2s) same SO2 same scrubber\$2 and ((gas or combust\$7) near3 turbine\$2)	USPAT	OR	OFF	2007/02/06 09:48
L23	0	(h2s) same SO2 same scrubber\$2	USPAT	OR	OFF	2007/02/06 09:48
L24	21	hydrogen adj0 sulphide and sulphur adj0 dioxide same scrubber\$2	USPAT	OR	OFF	2007/02/06 10:06
L25	23	(sulfur\$4 or sulfide\$4) with scrubber\$2 same micron\$2	USPAT	OR	OFF	2007/02/06 10:53
L26	199	(60/723).CCLS.	USPAT; USOCR	OR	OFF	2007/02/06 11:28
L27	0	("washcoat\$5samenoble\$5").PN.	USPAT; USOCR	OR	OFF	2007/02/06 10:53
L28	171	washcoat\$5 same noble\$5	USPAT; USOCR	OR	OFF	2007/02/06 10:53
L29	1	28 and 26	USPAT; USOCR	OR	OFF	2007/02/06 11:19
L30	15	"6109018"	USPAT; USOCR	OR	OFF	2007/02/06 11:19
L31	0	(60/723and(boiler\$5orsteam\$5near5generat\$7)).CCLS.	USPAT	OR	OFF	2007/02/06 11:28
L32	78	60/723 and (boiler\$5 or steam\$5 near5 generat\$7)	USPAT	OR	OFF	2007/02/06 11:32
L33	2	60/723 and (boiler\$5 or steam\$5 near5 generat\$7) same recuperat\$5	USPAT	OR	OFF	2007/02/06 11:43
L34	0	coal near5 mine\$5 near5 ventilat\$7 same (reservoir\$5 or tank\$5)	USPAT	OR	OFF	2007/02/06 11:44
L35	2	coal near5 mine\$5 near5 ventilat\$7 same (reservoir\$5 or tank\$5)	USPAT; USOCR	OR	OFF	2007/02/06 11:44
S1	3	("4067190" "6393821" "6598400").PN.	USPAT	OR	OFF	2007/02/05 09:37
S2	2	"2002014068"	USPAT; DERWENT	OR	OFF	2007/02/05 09:37
S3	1	"20020014068"	DERWENT	OR	OFF	2007/02/05 09:38

## EAST Search History

S4	1	("6684644").PN.	USPAT; USOCR	OR	OFF	2007/02/05 09:38
S5	1	("6298652").PN.	USPAT; USOCR	OR	OFF	2007/02/05 09:57
S6	2	S4 or S5	USPAT	OR	OFF	2007/02/05 09:58
S7	39	("3418082"   "3653183"   "3739581"   "3868817"   "4132065"   "4299086"   "4305733"   "4311496"   "4363361"   "4366668"   "4383837"   "4421535"   "4423155"   "4483138"   "4483943"   "4496371"   "4595396"   "4623371"   "4631915"   "4697413"   "4733528"   "4861745"   "5048284"   "5435836"   "5516967"   "5666823"   "5705916"   "5715671"   "5725616"   "5740673"   "5741440"   "5861441"   "6293979"   "6301927"   "6460341").PN. OR ("6298652"   "6684644").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/05 09:58
S8	14	("4187672"   "4202169"   "4209303"   "4442901"   "4469176"   "4493770"   "4681612"   "4769149"   "5059405"   "5524432"   "5842357").PN. OR ("6393821"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/05 10:07
S9	252	(60/723).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/05 10:07
S10	19	("20020148227"   "20020152754"   "20040119291"   "3785145"   "3977182"   "4112675"   "4133171"   "4204401"   "4271664"   "4426842"   "4754607"   "5850731"   "6065957"   "6105360"   "6107693"   "6141953"   "6205768"   "6302683"   "6513318").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/05 10:25
S11	103	(60/777).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/02/05 11:04
S12	28	S11 not S9	US-PGPUB; USPAT	OR	OFF	2007/02/05 10:46
S13	26054	(methane\$5 or ch4) with mix\$5	US-PGPUB; USPAT	OR	OFF	2007/02/05 11:04
S14	241	(60/39.465).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/05 10:46
S15	18	S14 and S13	US-PGPUB; USPAT	OR	OFF	2007/02/05 10:46

## EAST Search History

S16	82	(methane\$5 or ch4) with mix\$5 same compress\$5 same ((gas\$4 or combust\$7) near3 turbine\$2)	US-PGPUB; USPAT	OR	OFF	2007/02/05 10:51
S17	80	S16 not S15	US-PGPUB; USPAT	OR	OFF	2007/02/05 10:50
S18	45	(methane\$5 or ch4) with mix\$5 same compress\$5 same ((gas\$4 or combust\$7) near3 turbine\$2)	USOCR	OR	OFF	2007/02/05 11:28
S19	556	(60/39.12).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/05 11:00
S20	46	S13 and S19	US-PGPUB; USPAT	OR	OFF	2007/02/05 11:00
S21	8251	(methane\$5 or ch4) with mix\$5	USOCR	OR	OFF	2007/02/05 11:05
S23	102	((60/39.465) or (60/39.12)).CCLS.	USOCR	OR	OFF	2007/02/05 11:05
S24	6	S21 and S23	USOCR	OR	OFF	2007/02/05 11:06
S25	200	(60/39.463).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/05 11:06
S26	90	S25 and mix\$5	USPAT	OR	OFF	2007/02/05 11:09
S27	789	low near5 (btu\$1 or calori\$5 or energy\$1 near5 content\$5) with mix\$5	US-PGPUB; USPAT	OR	OFF	2007/02/05 11:11
S28	36	low near5 (btu\$1 or calori\$5 or energy\$1 near5 content\$5) with mix\$5 same turbine\$2	US-PGPUB; USPAT	OR	OFF	2007/02/05 11:17
S29	6	low near5 (btu\$1 or calori\$5 or energy\$1 near5 content\$5) with mix\$5 same turbine\$2	USOCR	OR	OFF	2007/02/05 11:16
S30	34	low near5 (btu\$1 or calori\$5 or energy\$1 near5 content\$5) with mix\$5 same (methane\$5 or ch4)	US-PGPUB; USPAT	OR	OFF	2007/02/05 11:20
S31	56	(low near5 heat\$4 near5 value\$4) with (methane\$5 or ch4)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/05 14:42
S32	4	(low near5 heat\$4 near5 value\$4) with (methane\$5 or ch4)	FPRS; EPO; JPO; DERWENT	OR	OFF	2007/02/05 11:27
S33	1	("3996256").PN.	USPAT; USOCR	OR	OFF	2007/02/05 11:28
S34	80	coal\$5 near5 mine\$2 with gas\$5 same mix\$9	US-PGPUB; USPAT	OR	OFF	2007/02/05 11:37
S35	64	coal\$5 near5 mine\$2 with gas\$4 same mix\$5	USOCR	OR	OFF	2007/02/05 11:34
S36	0	"20070022733"	DERWENT	OR	OFF	2007/02/05 11:38

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S37	0	"2007022733"	DERWENT	OR	OFF	2007/02/05 11:38
S38	7	"559093"	USPAT	OR	OFF	2007/02/05 11:42
S39	4	"559093".ap.	USPAT	OR	OFF	2007/02/05 11:54
S40	349	(biogas\$3 or bio adj0 gas\$3) same (methane\$4 or ch4) same mix\$5	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/05 11:55
S41	47	(biogas\$3 or bio adj0 gas\$3) same (methane\$4 or ch4) same mix\$5 and turbine\$2	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/05 11:58
S42	0	(biogas\$3 or bio adj0 gas\$3) same (methane\$4 or ch4) same mix\$5 and turbine\$2	USOCR	OR	OFF	2007/02/05 11:59
S43	48	(waste\$4 near5 gas\$3) same (methane\$4 or ch4) same mix\$5 and turbine\$2	USOCR	OR	OFF	2007/02/05 11:59
S44	102	(waste\$4 near5 gas\$3) same (methane\$4 or ch4) same mix\$5 and turbine\$2	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/05 11:59
S45	0	S43 not S41	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/05 11:59
S46	99	S44 not S40	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/05 12:05
S47	6	gas near5 turbine\$2 with wobbe	USPAT	OR	OFF	2007/02/05 12:06
S48	1	"20060150635"	US-PGPUB	OR	OFF	2007/02/05 14:41
S49	67	60/39.281	US-PGPUB	OR	OFF	2007/02/05 14:42
S50	4563	((60/39.281) or (60/39.27)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/05 14:42

## EAST Search History

S51	25233	(low near5 heat\$4 near5 value\$4) or low near5 (btu\$1 or calori\$5 or energy\$1 near5 content\$5) or biogas\$3 or bio adj0 gas\$3 or landfill\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/05 15:03
S52	43	S50 and S51	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/05 14:44
S53	6	("2663144"   "4164124"   "4184325"   "5632143"   "5640842").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/05 14:55
S54	2531	constant\$5 near5 heat\$4 near5 value\$5	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/05 15:07
S55	14	S54 and S50	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/05 15:06
S56	2183	((60/39.12) or (60/39.463) or (60/39.464) or (60/39.465) or (60/39.461) or (60/777) or (60/723)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/06 08:48
S57	9	S54 and S56	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/05 15:07